Instruction Manual 操作手册

E sky®

ROBINS22

RC Electric Micro Helicopter



Product Introduction

Robins 22 which is with double-blade-sharing-one-axis structure and with stable and silent flight is designed by professional engineers

For the beginner it is desi ned with simple flying operation and easy control you can be familiar with its operating way and enjoy the flying in short-term

The helicopter is designed with two swing-hammers that improve the ability to settle its axis and enable it to hang in the air more stable

The helicopter is designed with double-blade-sharing-one-axis that enables it to be easing operated and fly

The battery hang is designed with simple and firm structure that enables the battery easy loaded and unloaded

With power supply of Li-polymer battery,it can fly lighter and longer

产品介绍

Robins 22 经过专业工程设计师设计，使这部同轴双旋翼直升机，具有平稳，安静的飞行状态，针对初学者，这部直升机被设计为飞行操作简单，易上手，可以使你在短暂时间内熟悉操作方法，轻松享受飞行的乐趣，两个摆锤的设计提高了这部直升机的定轴性，使直升机在空中的停留更加稳定，旋翼的设计使直升机的飞行控制简单易操作，电池架的设计简洁牢固，使电池的装卸简单易操作，采用锂聚合物电池供电，使直升机在飞行中，机身显得更轻巧，停留时间更长

Specification

(1) Main rotor diameter:340mm
(2)Weight:230g
(3)Length:360mm
(4)Power system:180 motor*2
(5)KIT/ARF/RTF:RTF
(6)Transmitter:Standard 4 CH
(7)Mixcontroller:4in1controller(W/gyro,mixer,ESC,receiver)
(8) Servo:8g,1.3kg/CM,0.12s/60
(9)Battery:7.4V 800mAh Li-polymer battery

产品规格

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(2)总重量:230g
(3)机身总长:360mm
(4)电机型号:180 motor*2
(5)KIT/ARF/RTF:RTF
(6)发射机:Standard 4 CH
(7)混控系统:4in1混控器(W/gyro,mixer,ESC,receiver)
(8) 伺服器:8g,1.3kg/CM,0.12s/60
(9)电池:7.4V 800mAh Li-polymer battery

Transmitter and charging equipments in the packing box

包装内发射及充电配置



EK2-0902电源适配器
Power Supply



EK2-0404发射机
Transmitter



EK2-0851充电器
Charger



EK1-0181电池
Battery



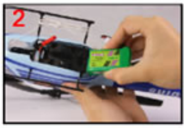
● Full set diagraph
全套展开图

The operation guide before fly

起飞操作步骤示意图



1 Charging battery
电池充电



2 Loading battery
安装电池



3 Opening transmitter
打开发射机



4 Connecting battery with the Robins
接通电源



5 The green light indicates ready to fly
绿灯显示待飞

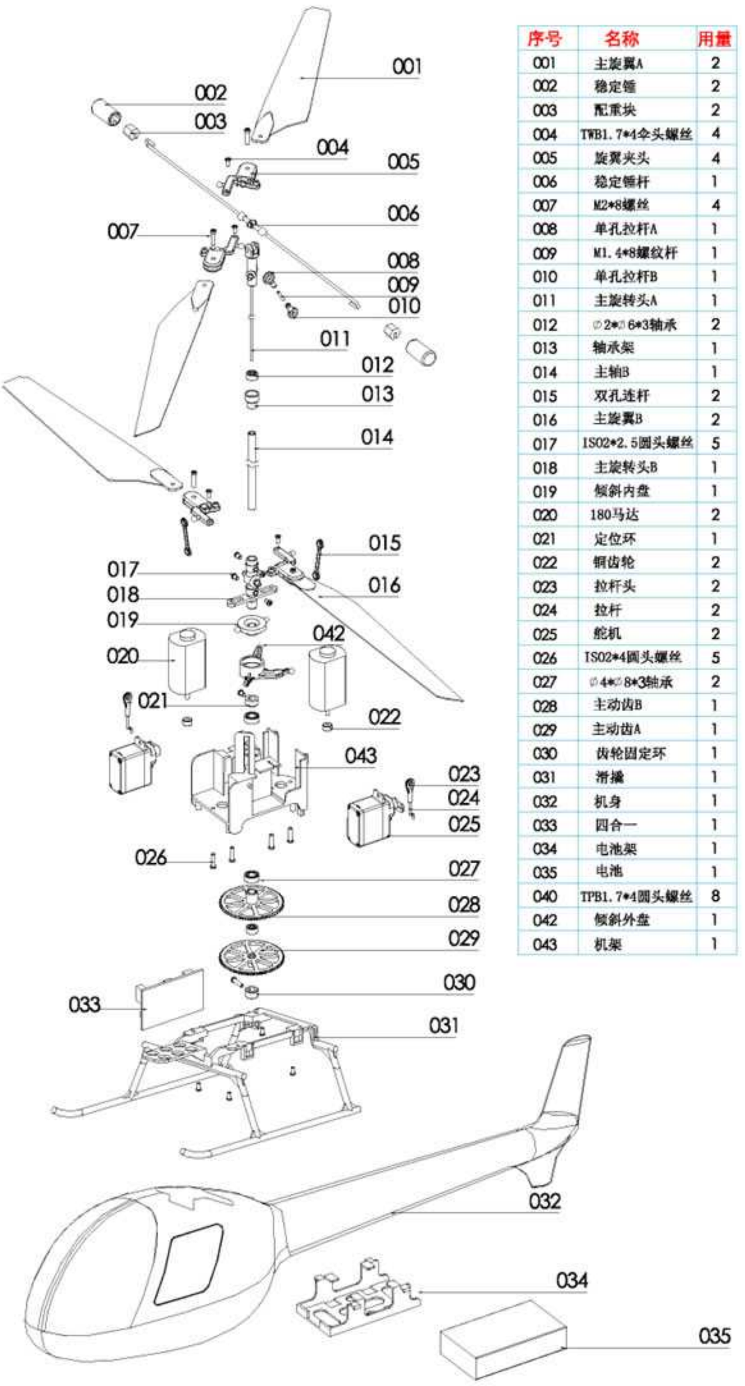
Exploded view

E_sky®

Item Number	Description	Qty need
001	Plastic blade A	2
002	Stabilizing weight	2
003	Balance weight	2
004	Screw(TWB1.7*4)	4
005	Main blade grip set	4
006	FlyBar	1
007	Screw(M2*8)	4
008	Control link A	1
009	Threaded bar (M1.4*8)	1
010	Control link B	1
011	Inner shaft A	1
012	Bearing2*6*3	2
013	Frame Bearing	1
014	Main Bearing B	1
015	Plastic blade B	2

Item Number	Description	Qty need
016	Plastic blade B	2
017	Screw(ISO2*2.5)	5
018	Inner shaft B	1
019	Inner swashplate	1
020	Motor 180	2
021	Fix collar	1
022	Copper pinion	2
023	Push-rod head	2
024	Push-rod	2
025	Servo	2
026	Screw(ISO2*4)	5
027	Bearing 4*8*3	2
028	Main gear B	1
029	Main gear A	1
030	Gear fix collar	1

Item Number	Description	Qty need
031	Landing skid	1
032	Airframe	1
033	"4in1"controller	1
034	Battery frame	1
035	Battery	1
040	Screw(TPB 1.7*4)	8
041	Tail blade shaft	1
042	Outer swashplate	1
043	Main frame	1



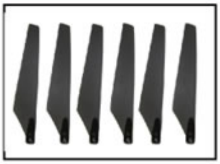
序号	名称	用量
001	主旋翼A	2
002	稳定锤	2
003	配重块	2
004	TWB1.7*4伞头螺丝	4
005	旋翼夹头	4
006	稳定锤杆	1
007	M2*8螺丝	4
008	单孔拉杆A	1
009	M1.4*8螺纹杆	1
010	单孔拉杆B	1
011	主旋转头A	1
012	∅2*∅6*3轴承	2
013	轴承架	1
014	主轴B	1
015	双孔连杆	2
016	主旋翼B	2
017	ISO2*2.5圆头螺丝	5
018	主旋转头B	1
019	倾斜内盘	1
020	180马达	2
021	定位环	1
022	铜齿轮	2
023	拉杆头	2
024	拉杆	2
025	舵机	2
026	ISO2*4圆头螺丝	5
027	∅4*∅8*3轴承	2
028	主动齿B	1
029	主动齿A	1
030	齿轮固定环	1
031	滑撬	1
032	机身	1
033	四合一	1
034	电池架	1
035	电池	1
040	TPB1.7*4圆头螺丝	8
042	倾斜外盘	1
043	机架	1

机体炸散图

Spare parts picture

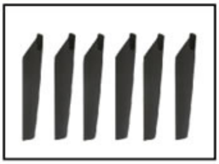
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EK1-0312



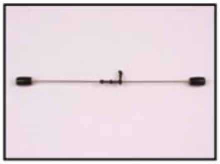
主旋翼A
Plastic blade A

EK1-0313



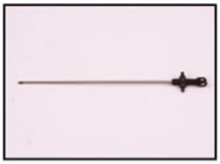
主旋翼B
Plastic blade B

EK1-0314



稳定锤
Stabilizer set

EK1-0315



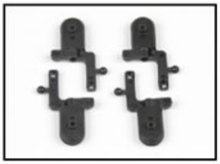
主旋翼头A
Inner shaft A

EK1-0557



齿轮和轴设置B
Gear & shaft B

EK1-0317



旋转夹头
Main blade grip set

EK1-0318



主旋头
Inner shaft B

EK1-0319



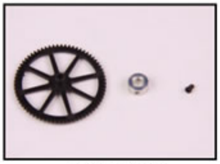
倾斜外盘
Swashplate set

EK1-0320



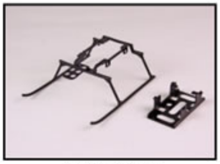
机架
Main frame

EK1-0321



齿轮和轴设置
Gear & shaft set A

EK1-0555



滑撬和电池架
Landing skid

EK1-0556



机身
Airframe

EK1-0324



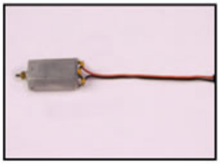
轴承固定套
Bearing set collar

EK1-0325



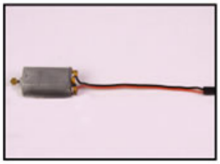
拉杆
Bell link

EK1-0005



180马达
Main motor set A(8Z)

EK1-0005A



180马达
Main motor set A(8Z)

EK1-0328



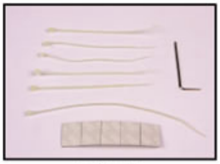
4*8*3轴承
Bearing 4*8*3

EK1-0218



2*6*3轴承
Bearing 2*6*3

EK1-0222



固定工具
Allen key/paster strap

EK1-0181



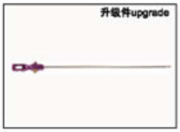
锂电
Li-ion polymer bettery7.4V800mAh

EK1-0326



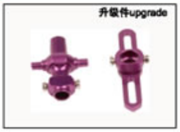
螺丝总成
Hardware set

EK5-0206



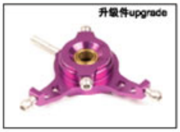
中心座组
Central hub and shaft set(upper)

EK5-0207



下中心座组
Bottom central holder set

EK5-0209



倾斜盘组
Swashplate set

EK5-0210



夹片组
Mainblade grip set

组件彩图

Main blade angle of attack adjustment

主旋翼功角的调整



Main blades don't rotate in one plane
主旋翼旋转不在同一平面



Adjustment way to angle of attack of main blades
主旋翼功角调整方法



Main blades rotate in one plane
主旋翼旋转在同一平面

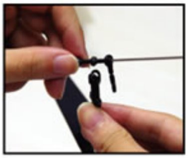
Disassembling instruction

拆卸步骤

平衡锤拆卸



A



B

Stabilizer set disassembling

上下旋翼拆卸



C



D

Plastic blade disassembling

机壳拆卸



E

Airframe disassembling

Construction schematic diagram to inner equipments

机体局部设备示意图

